



Rail Construction Planning Solution

With governments around the world making significant investments in rail and transit projects and major network upgrades, digital technology will be key for combating the challenges the heavy civil industry faces. Bentley's Rail Construction Planning Solution provides owner-operators the ability to increase collaboration between design and construction and advance beyond traditional deliverables. The result is enhanced project visibility, safer jobsites, and less disruption to existing rail services and the public.

CONNECT YOUR DESIGN AND CONSTRUCTION WORKFLOWS

Disconnected workflows between design and construction teams are a big driver for making the shift to 3D/4D model-based workflows. Traditionally, design teams flatten their 3D design models to 2D PDFs for construction planning and coordination, losing much of the design intent and leading to lengthy review processes, costly change orders, and schedule delays. But as contractors adopt digital technology, 3D/4D design models are becoming more valuable, enabling teams to capture additional project data, improving the coordination between design delivery and construction planning.

INCREASE PROJECT VISIBILITY, PREDICTABILITY, AND PRODUCTIVITY

The Rail Construction Planning Solution easily turns design models into construction models. This gives teams visibility into design and construction data so they can optimize project and possession/blockade plans, schedules, and resources. These 3D/4D workflows create a single source of truth that connects projects and contracts, keeping the entire team aligned and reducing the potential for miscommunication and errors. With this solution you will deliver more projects, faster, safer, and more efficiently, ensuring your rail and transit systems are the best they can be for the communities they serve.

KEY FEATURES

- ◆ Improve design quality and intent
- ◆ Streamline design and construction review processes
- ◆ Optimize project schedules while keeping original design intent
- ◆ Anticipate construction impacts on existing rail services/imetables
- ◆ Increase transparency to keep the public informed and regulations met
- ◆ Improve safety planning to reduce jobsite accidents and injuries
- ◆ Visualize and resolve conflicts before construction begins
- ◆ Reduce change orders and rework on projects

